Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014 8,272 Incidents

93 Total Hospitals Reporting

Trauma Centers: 9 facilities 49.7% of data (Non-Trauma) Hospitals: 84 facilities 50.3% of data

For Quarter 2 2014, which spanned from April 1, 2014 to June 30, 2014, there were 8,272 incidents reported to the Indiana Trauma Registry at the Indiana State Department of Health. There were 93 hospitals that reported data, of which 9 were trauma centers and 84 were non-trauma centers. There were 7 hospitals that either started to report again or were new to report during this quarter compared to the previous quarter, while 2 hospitals dropped off from reporting this quarter from the previous quarter. A map of the state with the reporting hospitals can be found on page 33. IU Health - Arnett Hospital, IU Health - Ball Memorial, St. Elizabeth East Hospital, and St. Vincent Anderson Hospital were the four hospitals with "in the process" status during the quarter. Trauma centers represented 49.7% of the data. There were 2,553 incidents reported for April, 2,929 reported for May, and 2,790 incidents reported for June.

The content of this report has changed due to suggestions and additions requested by the Indiana State Trauma Care Committee at the August, 8 2014 meeting. Explanations of the changes requested and adapted from the ISTCC meeting can be found on page 34.

Some general reminders include that the blue columns represent an Indiana average, red columns represent trauma centers, and green columns represent non-trauma centers. If a single percent is listed above a group of bars, the percent listed represents the average for Indiana. If a number is listed above a group of bars, it represents the count for Indiana.

The E-codes used in this report follow the ICD-9 CDC matrix of external cause of injury.

Definitions:

Direct Admit: Patient is admitted directly to the hospital and does not spend time in Emergency Department. The ED Length of Stay should reflect a direct admittance.

External Cause of Injury: ICD-9-CM codes that are used to describe the mechanism or external factor that caused the injury event.

Trauma Type: The classification of the force applied to the body. Trauma type categories include blunt, penetrating, thermal, and other trauma. Injury Severity Score: An anatomical scoring system defined as the sum of the three highest squared maximum Abbreviated Injury Scale (AIS) values to account for multiple injuries in the six body regions.

Acronyms:

CAHs: Critical Access Hos-

pital

E-code: External Cause of

Injury

ED: Emergency Department ICU: Intensive Care Unit ISS: Injury Severity Score

LOS: Length of Stay

MVC: Motor Vehicle Collision

OR: Operating Room Ps: Probability of Survival Formulas:

 $ISS = (AIS)^2 + (AIS)^2 + (AIS)^2$

Total GCS = Verbal GCS + Motor GCS + Eve GCS

 $P_S = 1/(1+e^{-b})$ where

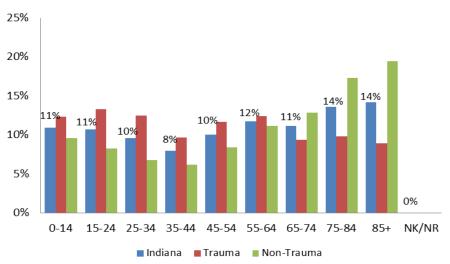
 $b=b_0+b1(RTS) + b2(ISS) + b3(Age Index)$



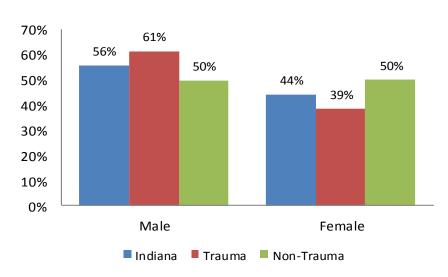
Statewide Quarter 2 Data Report

April 1, 2014 to June 30, 2014 8,272 Incidents

Patient Age (Years)



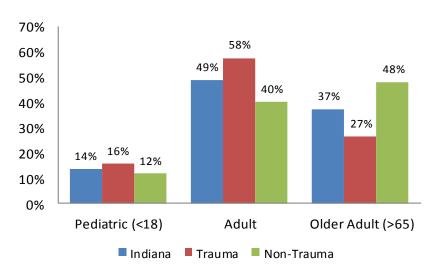
Patient Gender



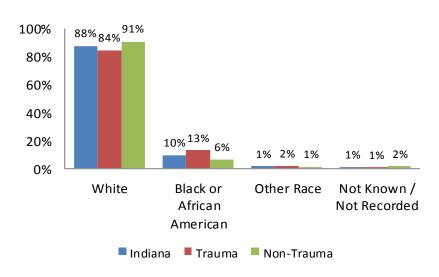
93 Total Hospitals Reporting

Trauma Centers: 9 facilities 49.7% of data (Non-Trauma) Hospitals: 84 facilities 50.3% of data

Patient Age Groupings

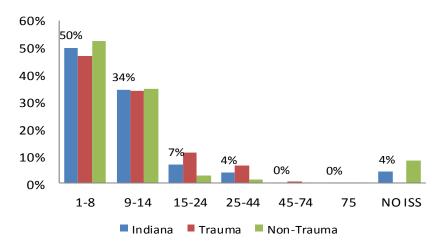


Patient Race

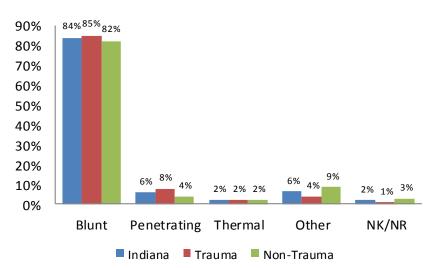


Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014 8,272 Incidents

Injury Severity Score (ISS)



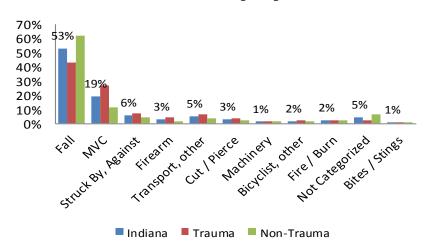
Trauma Type



93 Total Hospitals Reporting

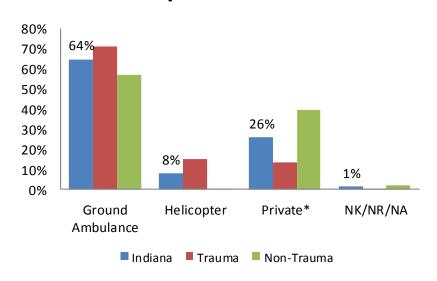
Trauma Centers: 9 facilities 49.7% of data (Non-Trauma) Hospitals: 84 facilities 50.3% of data

Cause of Injury



<1% COI: Pedestrian Traffic Accident, Natural/Environment, Overexertion, No E-Code

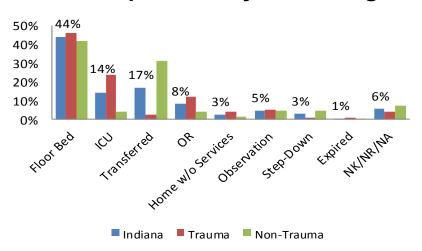
Transport Mode



Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014

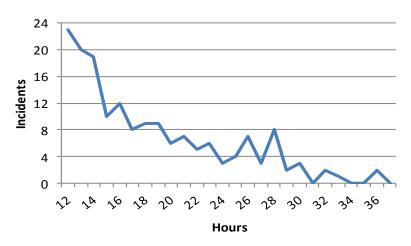
8,272 Incidents

ED Disposition by Percentage



<1% ED Disposition: AMA; Home with Services; Other

ED LOS >12 Hours

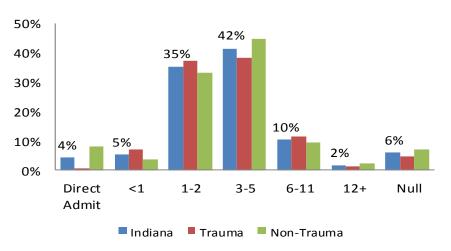


N = 169

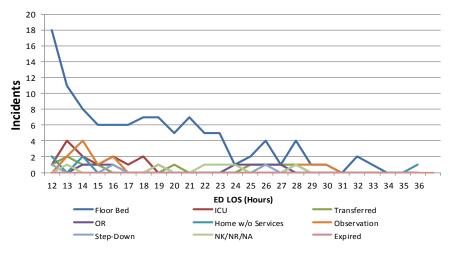
93 Total Hospitals Reporting

Trauma Centers: 9 facilities 49.7% of data (Non-Trauma) Hospitals: 84 facilities 50.3% of data

ED Length of Stay (Hours)



ED Disposition for ED LOS >12 Hours



N = 108

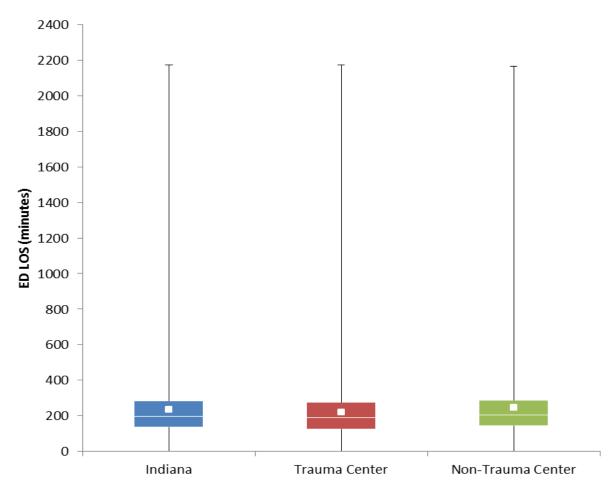
*No cases expired > 12 hours

Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014 8,272 Incidents 93 Total Hospitals Reporting

Trauma Centers: 9 facilities (Non-Trauma) Hospitals: 84 facilities

es 49.7% of data ties 50.3% of data

ED LOS (Minutes) - All Patients



Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014

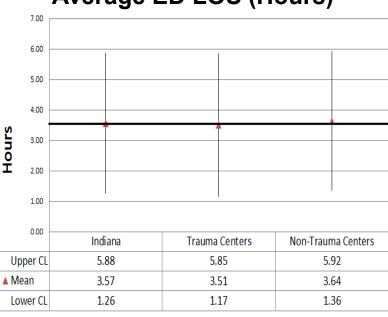
8,272 Incidents

93 Total Hospitals Reporting

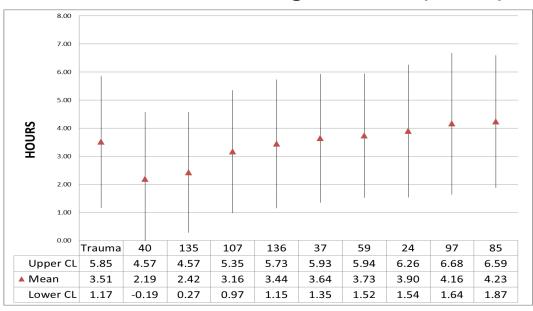
Trauma Centers: 9 facilities 49.7% of data (Non-Trauma) Hospitals: 84 facilities 50.3% of data

All Patients

Average ED LOS (Hours)



Trauma Centers-Average ED LOS (Hours)



The purpose of the caterpillar graphs is to compare different groups to the average ED LOS. The Indiana mean is the comparison group, which is represented by the black line.

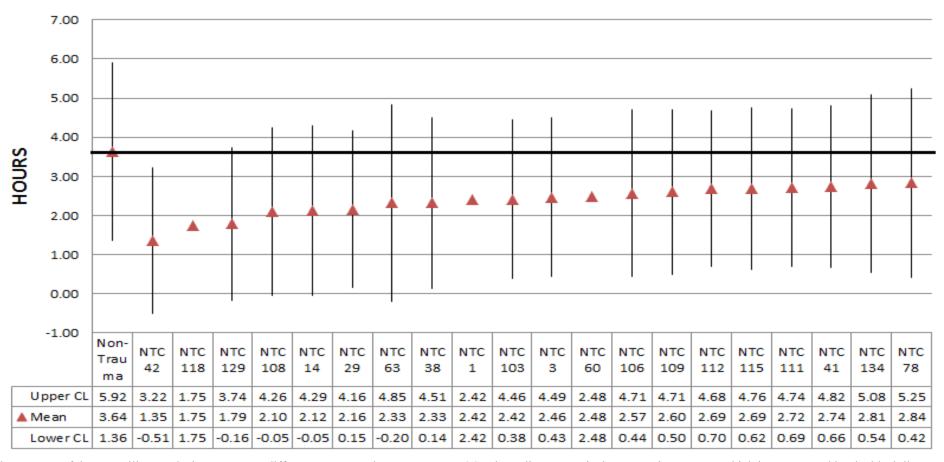
The ED LOS for these graphs was modeled using time-to-event analysis. The purposes of using this analysis were to account for censoring (death) and to see how variables influence ED LOS. The outcome variable was ED LOS and the independent variables were total GCS and age. If total GCS was missing but manual total GCS was recorded, then the manual total GCS was used. These two variables were used because they were the most similar to variables used in the published, peer-reviewed literature on ED LOS. Both were significant in the model. Increasing total GCS and age led to a slightly shorter ED LOS. Hospitals that did not have enough incidents with total GCS or age could not be modeled.

In the chart on the left, note the trauma center average is above the mean and the non-trauma center is below the mean. The mean, 95% confidence limit and lower confidence limit are listed for each group.

Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014 8,272 Incidents 93 Total Hospitals Reporting

Trauma Centers: 9 facilities 49.7% of data (Non-Trauma) Hospitals: 84 facilities 50.3% of data

All Patients Non-Trauma CentersAverage ED LOS (Hours)

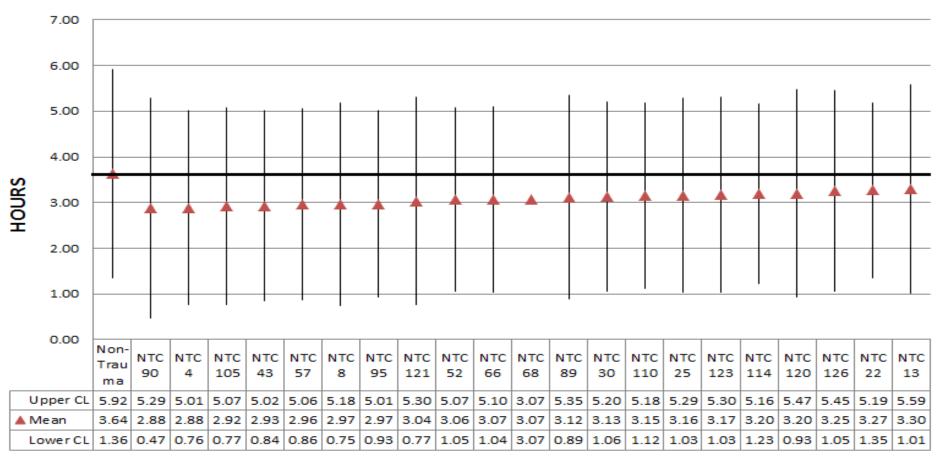


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Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014 8,272 Incidents 93 Total Hospitals Reporting

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All Patients Non-Trauma CentersAverage ED LOS (Hours)

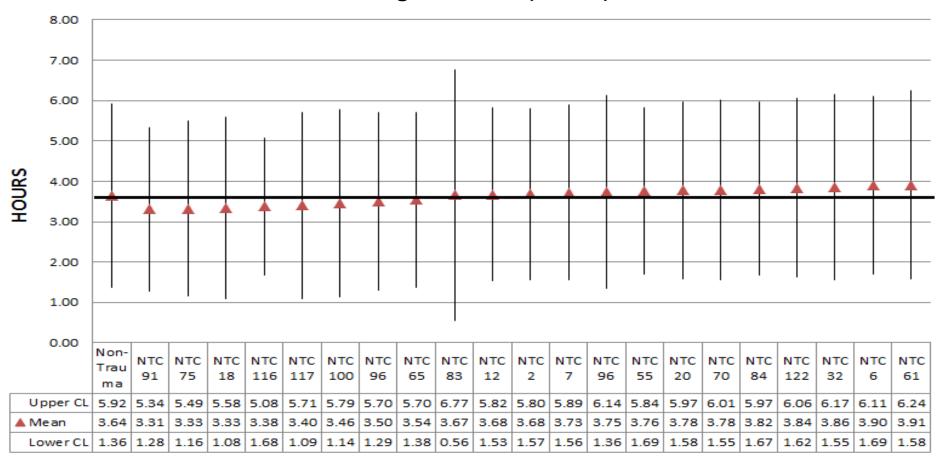


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Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014 8,272 Incidents 93 Total Hospitals Reporting

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All Patients Non-Trauma CentersAverage ED LOS (Hours)

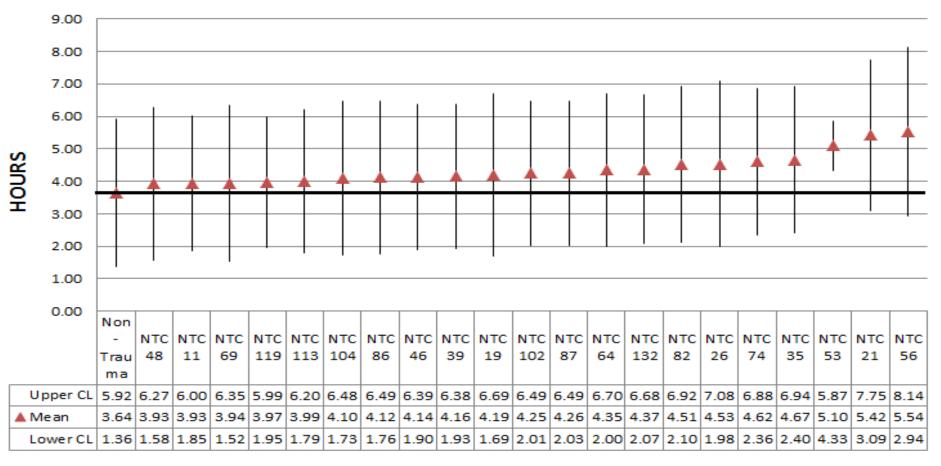


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Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014 8,272 Incidents

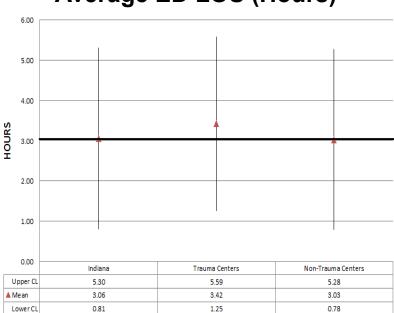
93 Total Hospitals Reporting

Trauma Centers: 9 facilities 49.7% of data (Non-Trauma) Hospitals: 84 facilities

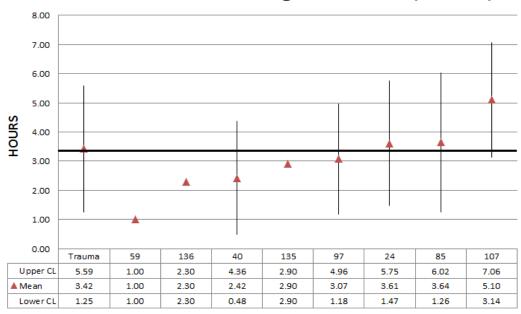
50.3% of data

Transferred Patients

Average ED LOS (Hours)



Trauma Centers-Average ED LOS (Hours)



The purpose of the caterpillar graphs is to compare different groups to the average ED LOS. The Indiana mean is the comparison group, which is represented by the black line.

The ED LOS for these graphs was modeled using time-to-event analysis. The purposes of using this analysis were to account for censoring (death) and to see how variables influence ED LOS. The outcome variable was ED LOS and the independent variables were total GCS and age. If total GCS was missing but manual total GCS was recorded, then the manual total GCS was used. These two variables were used because they were the most similar to variables used in the published, peer-reviewed literature on ED LOS. Both were significant in the model. Increasing total GCS and age led to a slightly shorter ED LOS. Hospitals that did not have enough incidents with total GCS or age could not be modeled.

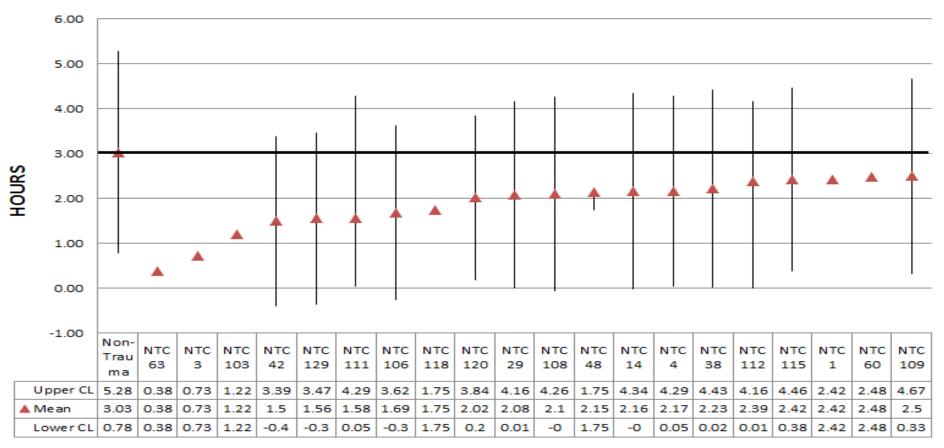
In the chart on the left, note the trauma center average is above the mean and the non-trauma center is below the mean. The mean, 95% confidence limit and lower confidence limit are listed for each group.

In the chart on the right, the data is for the trauma centers. The trauma center average is in the first column on the left side. The information for each trauma centers.

Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014 8,272 Incidents 93 Total Hospitals Reporting

Trauma Centers: 9 facilities 49.7% of data (Non-Trauma) Hospitals: 84 facilities 50.3% of data

Transferred Patients Non-Trauma CentersAverage ED LOS (Hours)

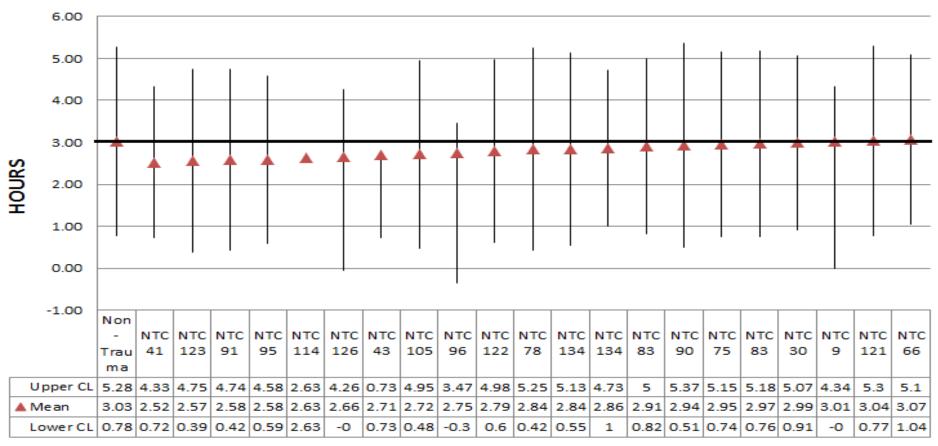


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Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014 8,272 Incidents 93 Total Hospitals Reporting

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Transferred Patients Non-Trauma CentersAverage ED LOS (Hours)

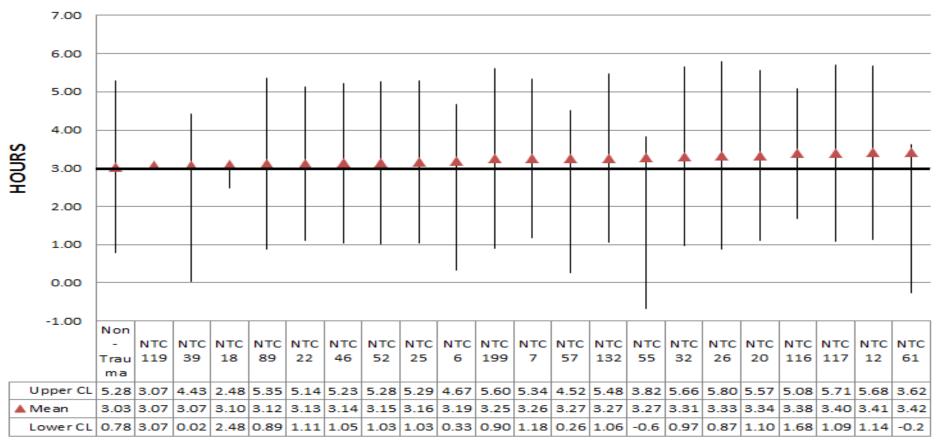


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Transferred Patients Non-Trauma CentersAverage ED LOS (Hours)

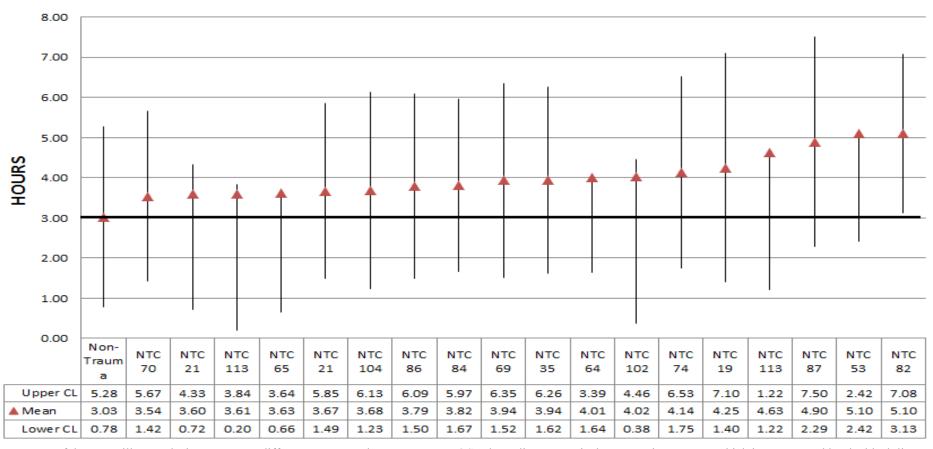


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Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014 8,272 Incidents 93 Total Hospitals Reporting

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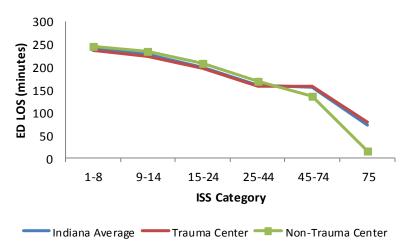
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Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014

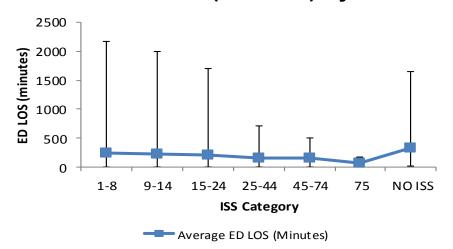
93 Total Hospitals Reporting

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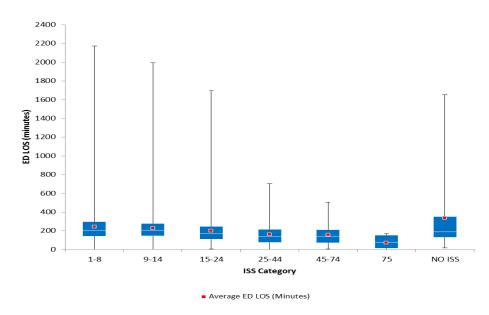
ED LOS (Minutes) by ISS



ED LOS (Minutes) by ISS



ED LOS (Minutes) by ISS



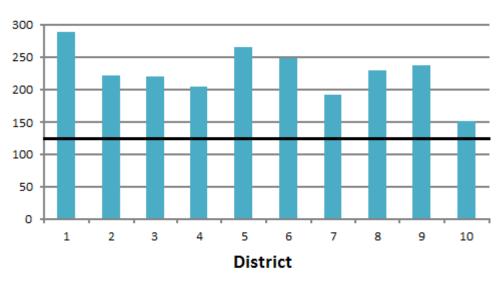
Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014

93 Total Hospitals Reporting

Trauma Centers: 9 (Non-Trauma) Hospitals: 84

9 facilities 84 facilities 49.7% of data 50.3% of data

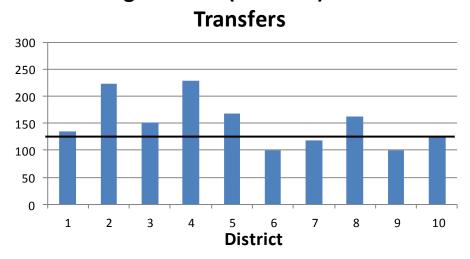
Average ED LOS (Minutes) - ALL



Average ED LOS (Minutes) - Transfers

300 250 200 150 100 50 0 1 2 3 4 5 6 7 8 9 10 District

Average ED LOS (Minutes) - Critical

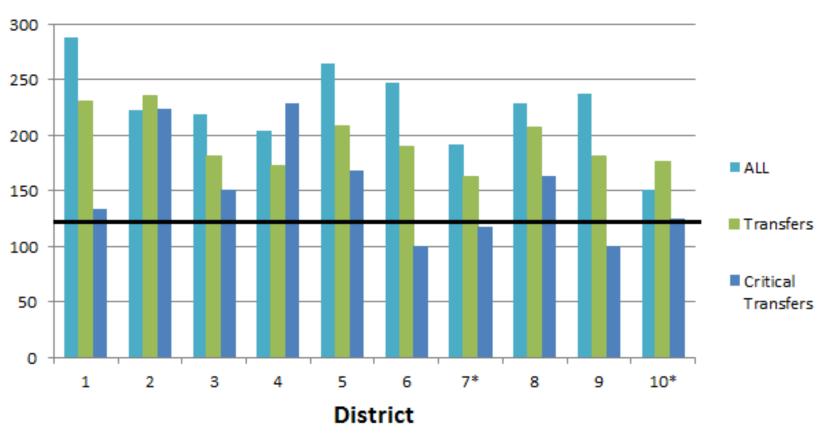


Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014

93 Total Hospitals Reporting

Trauma Centers: 9 facilities 49.7% of data (Non-Trauma) Hospitals: 84 facilities 50.3% of data

Average ED LOS (Minutes)



^{*}Districts 7 and 10 have all hospitals reporting.

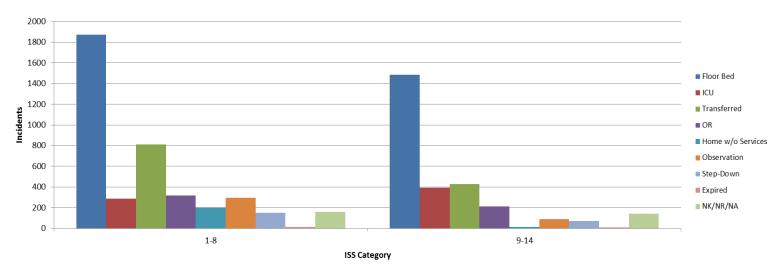
Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014

93 Total Hospitals Reporting

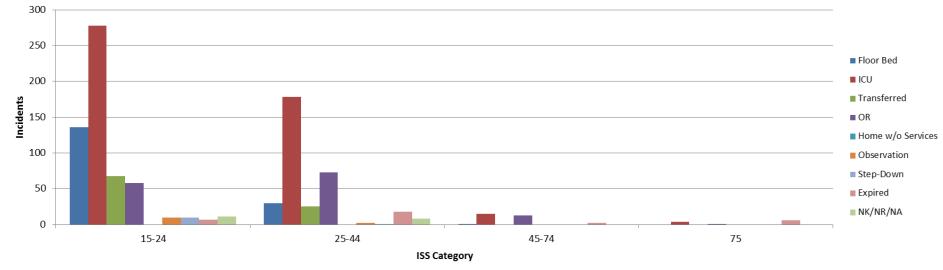
Trauma Centers: (Non-Trauma) Hospitals:

9 facilities 84 facilities 49.7% of data 50.3% of data

ED Disposition by ISS 1-14



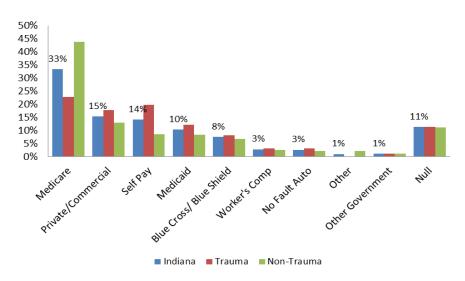
ED Disposition by ISS 15-75



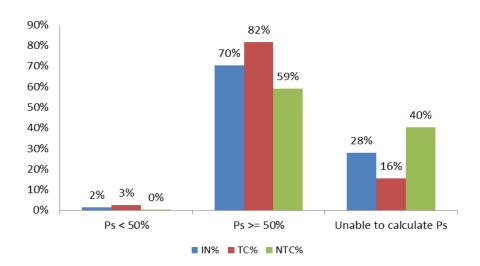
Statewide Quarter 2 Data Report

April 1, 2014 to June 30, 2014 8,272 Incidents

Primary Payer Mix



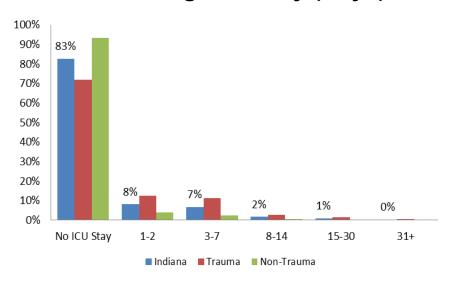
Probability of Survival (Ps) by Percent



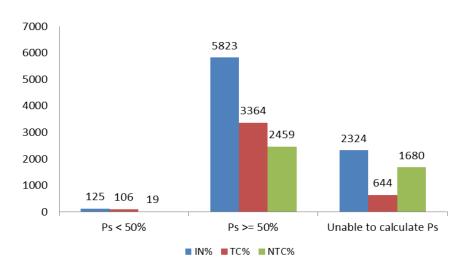
93 Total Hospitals Reporting

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ICU Length of Stay (Days)

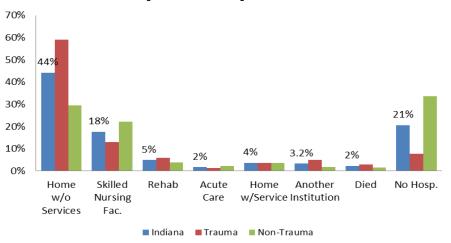


Probability of Survival (Ps) by Count



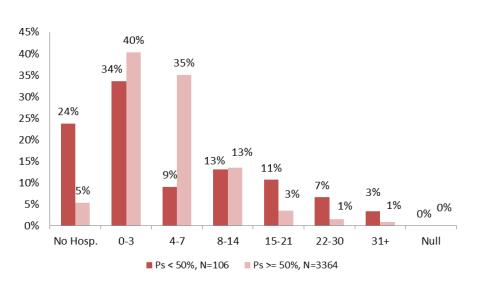
Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014 8,272 Incidents

Hospital Disposition



^{*}There are new categories for the Hospital Disposition for the 2014 Data Dictionary

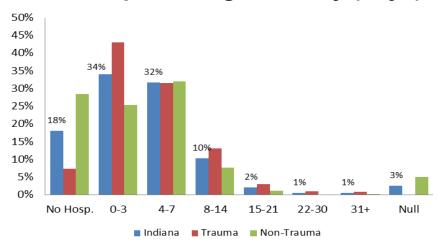
Hospital LOS (days) by Ps Trauma Centers



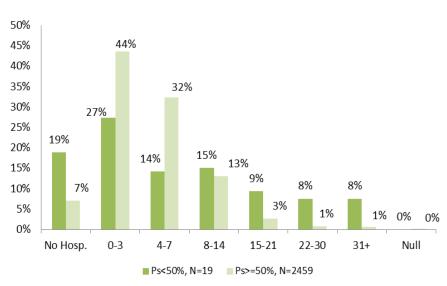
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Hospital Length of Stay (days)



Hospital LOS (days) by Ps Non-Trauma Centers



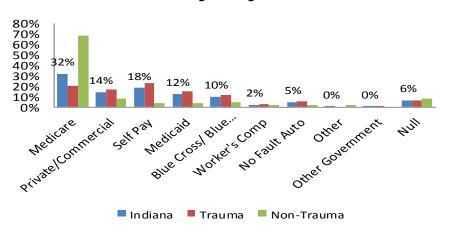
Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014 8,272 Incidents

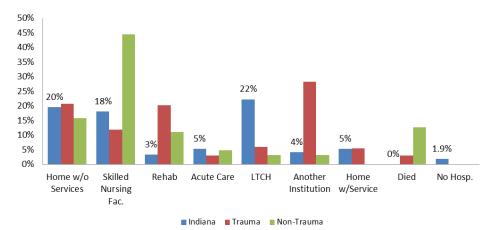
93 Total Hospitals Reporting
Trauma Centers: 9 facilities

(Non-Trauma) Hospitals: 84 facilities

49.7% of data 50.3% of data

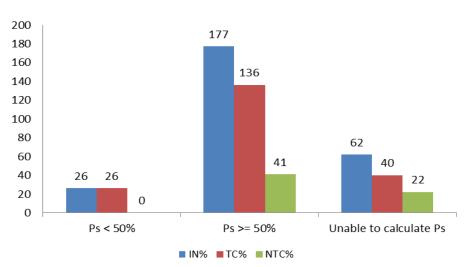
Hospital Length of Stay > 15 days, N=265 Primary Payer Mix Hospital Disposition



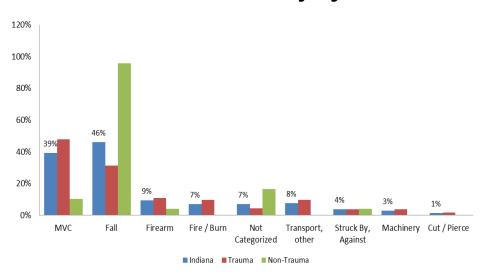


^{*}There are new categories for the Hospital Disposition for the 2014 Data Dictionary

Probability of Survival



Cause of Injury



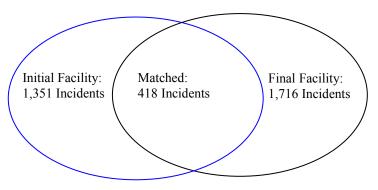
Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014 8,272 Incidents

93 Total Hospitals Reporting

Trauma Centers: 9 facilities 49.7% of data (Non-Trauma) Hospitals: 84 facilities 50.3% of data

For Quarter 2, 2014, of the 8,272 incidents reported to the Indiana Trauma Registry, 1,716 cases that had an ED Disposition of "Transferred to another acute care facility" at the initial facility or that had the Inter-Facility Transfer equal to "Yes" at the Trauma Center. Of those transferred, 418 cases were probabilistically matched. The linked cases make up 13.7% of the Q2 2014 data. All public health preparedness districts are repre-

sented. The diagram below illustrates the overlap between the transfers reported from the initial facility and from the final facility that can be matched.



The initial facility in which transfers come from may be considered Critical Access Hospitals (CAHs). All Indiana CAHs are considered Rural, and must meet additional requirements to have a CAH designation, such as having no more than 25 inpatient beds and being located in a rural area. Facilities that are highlighted indicate that these facilities reported data for Quarter 2, 2014.

Within this transfer data section, the purple columns represent the transfer cases and the single percentages represent the percent for the transfer cases. For two demographic variables, patient age groupings and gender, the Indiana average is included to provide more insight to this transfer population.

Indiana Critical Access Hospitals (CAHs)

indiana Offical Access Hospitals (OAHs)						
Adams Memorial Hospital	Pulaski Memorial Hospital					
Cameron Memorial Community Hospital Inc	Putnam County Hospital					
Community Hospital of Bremen Inc	Rush Memorial Hospital					
Decatur County Memorial Hospital	Scott Memorial Hospital					
Dukes Memorial Hospital	St Vincent Frankfort Hospital Inc					
Gibson General Hospital	St Vincent Jennings Hospital Inc					
Greene County General Hospital	St Vincent Mercy Hospital					
Harrison County Hospital	St Vincent Randolph Hospital Inc					
IU Health Bedford Hospital	St Vincent Salem Hospital Inc					
IU Health Blackford Hospital	St. Mary's Warrick Hospital Inc					
IU Health Paoli Hospital	St. Vincent Clay Hospital Inc					
IU Health Tipton Hospital	St. Vincent Dunn Hospital Inc					
IU Health White Memorial Hospital	St. Vincent Williamsport Hospital, Inc.					
Jasper County Hospital	Sullivan County Community Hospital					
Jay County Hospital	Union Hospital Clinton					
Margaret Mary Community Hospital Inc	Wabash County Hospital					
Parkview LaGrange Hospital	Woodlawn Hospital					
Perry County Memorial Hospital						

Rural Hospitals

Columbus Regional Hospital	King's Daughters' Health
Daviess Community Hospital	Kosciusko Community Hospital
Doctor's Neuromedical	Marion General Hospital
Fayette Regional Health System	Memorial Hospital
Franciscan St Anthony Health - Michigan City	Memorial Hospital and Health Care Center
Franciscan St Elizabeth Health - Crawfordsville	Parkview Noble Hospital
Good Samaritan Hospital	Reid Hospital & Health Care Services
Henry County Memorial Hospital	Saint Joseph RMC - Plymouth
Indiana University Health La Porte Hospital	Schneck Medical Center
Indiana University Health Starke Hospital	23

Statewide Quarter 2 Data Report

April 1, 2014 to June 30, 2014 8,272 Incidents—418 Transfers

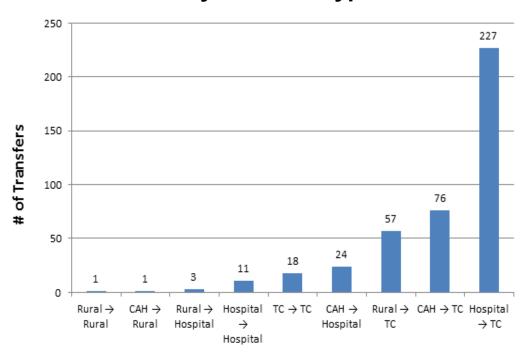
Facility to Facility Transfers

For Transfer Patients:							
Initial Hospital Type	Final Hospital Type	Incident Counts					
Rural Hospital	Hospital	3					
Rural Hospital	Rural Hospital	1					
Hospital	Hospital	11					
Trauma Center	Trauma Center	18					
Critical Access Hospital	Rural Hospital	1					
Critical Access Hospital	Hospital	24					
Critical Access Hospital	Trauma Center	76					
Rural Hospital	Trauma Center	57					
Hospital	Trauma Center	227					

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Facility Transfer Type



Rural = Rural Hospital; TC = ACS Verified Trauma Center; CAH = Critical Access Hospital; Hospital = does not fall into above categories

^{*}There were four hospitals deemed "in the process" trauma centers for the purposes of the triage and transport rule during Q2 2014. Because this report spans data from April 1, 2014 through June 30, 2014, and there were fewer than five hospitals with "in the process" status during the entire quarter, we cannot separate the "in the process" trauma centers from "hospitals" because of respect for patient privacy. Patients may be able to be identified due to isolating one hospital's data.

Statewide Quarter 2 Data Report

April 1, 2014 to June 30, 2014 8,272 Incidents—418 Transfers

93 Total Hospitals Reporting

Trauma Centers: (Non-Trauma) Hospitals: 9 facilities 84 facilities 49.7% of data 50.3% of data

For Linked Transfer Patients:

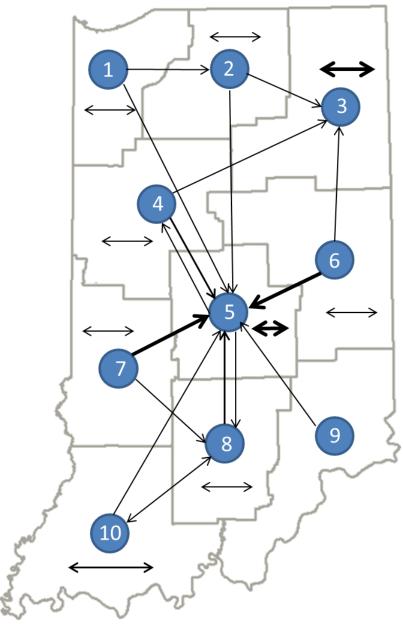
For Transfer Patients:									
	All Transfer Patients	<u>Critical*</u> Transfer Patients	Physiological Critical** Transfer Patients						
Number of Patients	418	231	222						
EMS Notified to Scene	8.5 minutes	8.1 minutes	8.2 minutes						
EMS Scene Arrival to Departure	17.1 minutes	17.7 minutes	18.2 minutes						
EMS Scene Depar- ture to Initial Hospi- tal ED Arrival	19.1 minutes	18.6 minutes	19.2 minutes						
Initial Hospital ED Arrival to Departure	3 hours	2 hours 56 minutes	2 hours 56 minutes						
Initial Hospital ED Departure to Final Hospital ED Arrival	1 hour 31 minutes	1 hour 26 minutes	1 hour 22 minutes						
TOTAL TIME	5 hours 16 minutes	5 hours 6 minutes	5 hours 4 minutes						

^{*}Critical patient is defined as having a GCS \leq 12, OR Shock Index > 0.9 OR ISS >15 at the initial hospital.

^{**}Physiological Critical Transfer patient is defined as having a Shock Index > 0.9 OR GCS ≤ 12 at the initial hospital.

Statewide Quarter 2 Data Report

April 1, 2014 to June 30, 2014 8,272 Incidents—418 Transfers



*The thickness of the line indicates the frequency of transfers out of or within the public health preparedness district The circles represent transfers from a specific Public Health Preparedness District, not of a specific hospital or county.

<u> </u>		
For Transfer Patien	its:	
Public Health Preparedness District Initial Hospital	Public Health Preparedness Dis- trict Final Hospital	Incident Counts
1	1	7
1	2	5
1	5	3
2	2	6
2	3	9
2	5	6
3	3	64
4	3	1
4	4	4
4	5	34
5	4	1
5	5	62
5	8	1
6	3	11
6	5	58
6	6	2
7	5	60
7	7	8
7	8	3
8	5	20
8	8	9
8	10	1
9	5	1
10	5	5
10	8	1
10	10	36

Statewide Quarter 2 Data Report

April 1, 2014 to June 30, 2014 8,272 Incidents—418 Transfers

88 Total Hospitals Reporting

Trauma Centers: 9 facilities 47.03% of data (Non-Trauma) Hospitals: 79 facilities 52.97% of data

For Linked Transfer Patients:

For Transfer Patients:									
	All Transfer Patients	<u>Critical*</u> Transfer Patients	Physiological Critical** Transfer Patients						
Number of Patients	418	404	401						
Total Time	5 hours 16 minutes	5 hours 6 minutes	5 hours 4 minutes						
Total Mileage	61.2	60.8	60.5						
Injury Scene to Initial Hospital Mileage***	8.5	8.6	8.6						
Initial Facility to Final Facility Mileage	52.7	51.9	51.9						

Estimated Average Distance (miles) by Region (region of final hospital):

Region	Injury Scene to Initial Facility Mileage*	Initial Facility to Final Facility Mileage	Total Mileage	Drive Count	Air Count
Indiana Average	8.5	52.7	61.2	335	83
North Region	8.7	42.9	51.6	140	22
Central Region	8.3	58.0	66.3	98	40
South Region	8.6	60.0	68.6	97	21

^{*}Critical patient is defined as having a GCS \leq 12, OR Shock Index > 0.9 OR ISS >15 at the initial hospital.

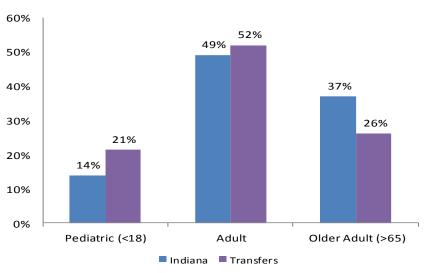
^{**}Physiological Critical Transfer patient is defined as having a Shock Index > 0.9 OR GCS ≤ 12 at the initial hospital.

^{***}Injury Scene to Initial Facility Mileage location estimated by zip code centroid

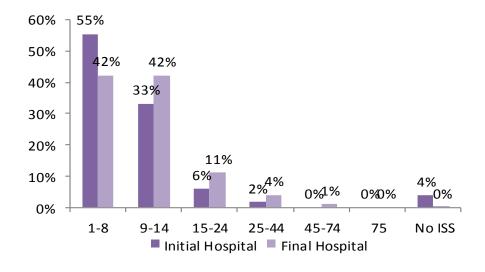
Statewide Quarter 2 Data Report

April 1, 2014 to June 30, 2014 8,272 Incidents—418 Transfers

Patient Age Groupings



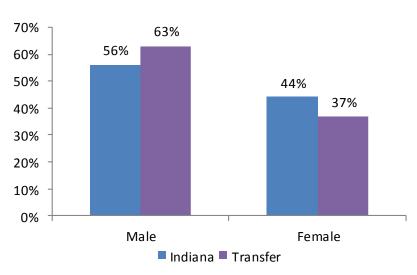
Injury Severity Score (ISS)



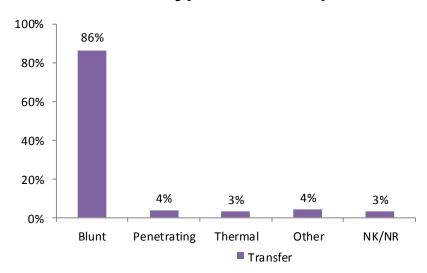
93 Total Hospitals Reporting

Trauma Centers: 9 facilities 49.7% of data (Non-Trauma) Hospitals: 84 facilities 50.3% of data

Patient Gender



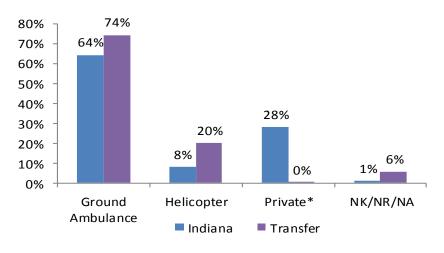
Trauma Type- Final Hospital



Statewide Quarter 2 Data Report

April 1, 2014 to June 30, 2014 8,272 Incidents—418 Transfers

Transport Mode- Final Hospital



<1% Transport Mode: Police, Other

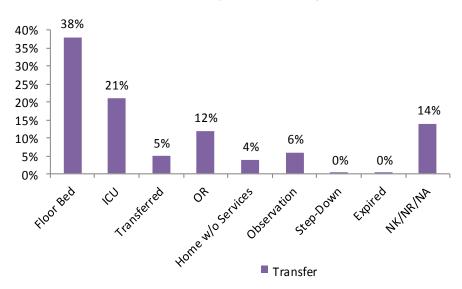
ED Length of Stay (hours)- Final Hospital



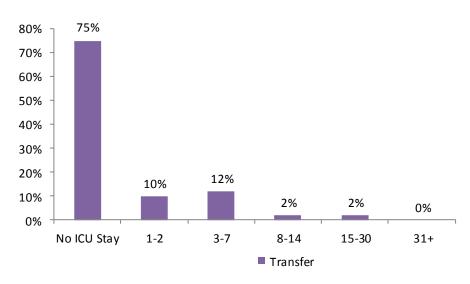
93 Total Hospitals Reporting

Trauma Centers: 9 facilities 49.7% of data (Non-Trauma) Hospitals: 84 facilities 50.3% of data

ED Disposition by Percentage- Final Hospital



ICU Length of Stay (days)- Final Hospital

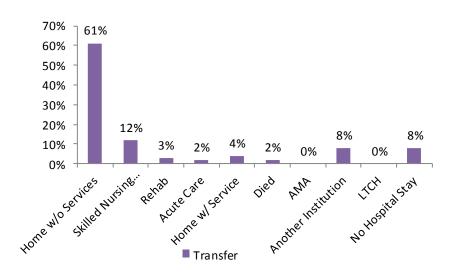


^{*} Indicates Private/ Public Vehicle, Walk-in

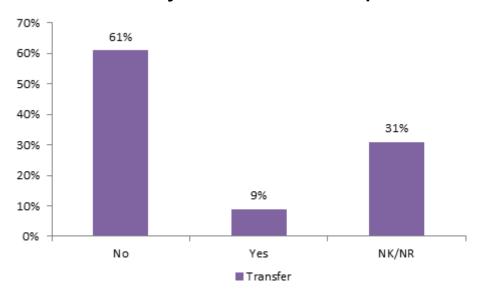
Statewide Quarter 2 Data Report

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Discharge Disposition- Final Hospital



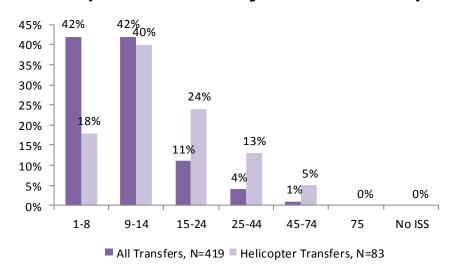
Transfer Delay Indicated-Initial Hospital



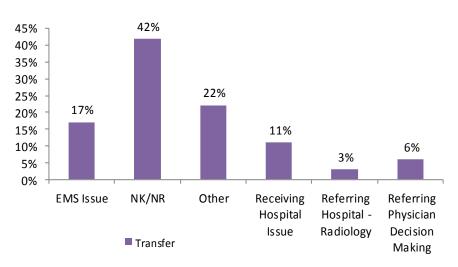
93 Total Hospitals Reporting

Trauma Centers: 9 facilities 49.7% of data (Non-Trauma) Hospitals: 84 facilities 50.3% of data

Helicopter Transfers by ISS- Final Hospital



Initial Facility Transfer Delay Reason - Initial Hospital



Statewide Quarter 2 Data Report

April 1, 2014 to June 30, 2014 8,272 Incidents

ED Length of Stay

ED Length of Stay (minutes)								
	Indiana Average	Trauma Center	Non-Trauma Center					
N=	7481	3901	3580					
Average	232	222.4	242.4					
Std. Deviation	177.8	162.3	192.7					
Minimum	2	2	3					
Quartile 1	137	126	146					
Median	198	189	205					
Quartile 3	283	278	288					
Maximum	2174	2174	2164					

ED Length of Stay by ISS

ED Length of Stay (minutes)									
ISS	Indiana	Indiana	Trauma	Trauma	Non-	Non-			
Category	Average	Average	Center	Center	Trauma	Trauma			
					Center	Center			
	Counts	Minutes	Counts	Minutes	Counts	Minutes			
1-8	3762	243.5	1829	238.2	1993	248.4			
9-14	2588	230.4	1317	224.2	1271	236.9			
15-24	553	198.8	450	198.3	103	201			
25-44	316	160.1	264	157.8	52	172.1			
45-74	30	157	28	158.4	2	137			
75	11	72.5	10	78.3	1	15			
No ISS	221	258.7	3	203.7	218	259.5			

93 Total Hospitals Reporting

Trauma Centers: 9 facilities 49.7% of data (Non-Trauma) Hospitals: 84 facilities 50.3% of data

ED Disposition

ED Disposition (count)								
	Indiana	Trauma Center	Non-Trauma Center					
Floor Bed	3638	1893	1745					
ICU	1165	988	177					
Transferred	1395	97	1298					
OR	677	495	182					
Home w/o Services	214	160	54					
Observation	399	215	184					
Step-Down	240	41	199					
Expired	53	34	19					
AMA	5	5	0					
Home W/ Services	4	2	2					
Other	12	9	3					
NK/NR/NA	470	175	295					

^{*}A bar graph of ED Disposition is found on page 4.

^{*}A bar graph of ED Length of Stay is found on page 4.

^{*}A Box and Whisker plot of ED LOS is found on page 5.

^{*}A Box and Whisker plot of ED Length of Stay by ISS is found on page 14.

Statewide Quarter 2 Data Report

April 1, 2014 to June 30, 2014 8,272 Incidents

93 Total Hospitals Reporting

Trauma Centers: 9 facilities 49.7% of data (Non-Trauma) Hospitals: 84 facilities 50.3% of data

ED Disposition (count) by ISS Category

	Floor Bed	ICU	Transferred	OR	Observation	NK/NR/ NA	Step- Down	Home w/o Services	Expired	Other	AMA	Home w/ Services	Total
1-8	1873	287	810	318	295	159	151	197	12	12	4	3	4121
9-14	1487	393	428	211	87	142	72	15	7	0	1	1	2844
15-24	136	278	68	58	10	11	10	0	7	0	0	0	578
25-44	30	178	25	73	2	8	1	0	18	0	0	0	335
45-74	1	15	0	13	0	0	0	0	2	0	0	0	31
75	0	4	0	1	0	0	0	0	6	0	0	0	11
NO ISS	111	10	64	3	5	150	6	2	1	0	0	0	352
Total	3638	1165	1395	677	399	470	240	214	53	12	5	4	8272

^{*}Bar graph of ED Disposition by ISS is found on page 15.

Indiana State Department of Health Indiana Trauma Registry

Hospitals Reporting Trauma Data Quarter 2, 2014

H Trauma Centers

Deaconess Hospital
Eskenazi Health
IU Health - Methodist Hospital
Lutheran Hospital of Indiana
Memorial Hospital of South Bend
Parkview Regional Medical Center
Riley Hospital for Children at IU Health
St. Mary's Medical Center of Evansville
St. Vincent Indianapolis Hospital

■ "In the Process" Hospital*

IU Health - Arnett Hospital IU Health - Ball Memorial Hospital St. Elizabeth East Hospital St. Vincent Anderson Hospital

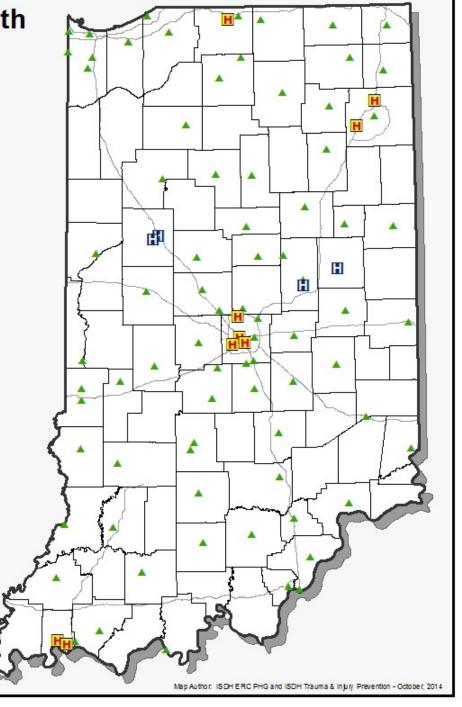
▲ Non-Trauma Hospitals

80 Non-Trauma Hospitals

Quarter 2 2014 April 1- June 30, 2014

* Considered a trauma center for purposes of the triage and transport rule.





Statewide Quarter 2 Data Report April 1, 2014 to June 30, 2014 8,272 Incidents

93 Total Hospitals Reporting

Trauma Centers: 9 facilities 49.7% of data (Non-Trauma) Hospitals: 84 facilities 50.3% of data

Requests and Changes to the Report from Trauma Care Committee members at the August 2014 ISTCC Meeting: General Report:

- -We are continuing to track the number of cases that fell into the ED LOS > 12 hours category, which is on page 4.
- -A map of all reporting hospitals is found on page 34. Note there were four "in the process" facility during Quarter 2, 2014.
- -Average ED LOS by district may be found on pages 17 and 18. ED LOS is split out into transfers and critical transfers.
- -We did not observe any cases with $Ps \ge 50\%$ and ED Disposition of expired. We recognized the suggestion of the Trauma Care Committee and will reconsider the suggestions at the previous meeting for the next report should there be cases next quarter with this case criteria.

Transfer data:

-At the time this report was created, there were four hospitals deemed "in the process" trauma centers for the purposes of the triage and transport rule. Because this report spans data from April 1—June 30, 2014, and there were fewer than 5 hospitals with "in the process" status during the entire quarter, we cannot separate the "in the process" trauma center into its own column due to patient privacy. We were also unable to tease out "in the process" centers from hospitals on page 21 because of the same issue. Patients may be able to be identified due to isolation of one hospital's data. We recognized the suggestion of the Trauma Care Committee and will reconsider the idea for the next report.

Example Bar and Whisker Plot:

-Bar and whisker plots were requested at the November, 2013 ISTCC meeting in order to show more than just an average ED LOS and ED LOS by ISS. The bar and whisker plots represent the four quartiles of data, as illustrated on the example graph to the right. The blue boxes each contain 25% of the values and the error bars each represent where 25% of the values fell. The median is represented in the middle of the two blue boxes with the white line. The red dot in the center indicates the average for that category. The cap on the error bars indicates the minimum and maximum of each category and all the values fall within the two caps.

-For the ED LOS bar and whisker plots to the right, the average is represented by the white dot and the color boxes reflect the hospital type. The ED LOS by ISS plots on the next page follow the same layout and the red dots indicate the average for each of the ISS categories.

